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DTP4800



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PHILIPS

LASER

CAUTION:

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION:

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM.

LOCATION:

INSIDE, NEAR THE DECK MECHANISM.

Specifikace laseru

- Typ: Polovodičový laser InGaAlP (DVD), AlGaAs (CD)
- Vlnová délka: 655 nm (DVD), 790 nm (CD)
- Výstupní výkon: 10 mW (DVD), 5 mW (VCD/CD)

Italia

DICHIARAZIONE DI CONFORMITA'

Si dichiara che l'apparecchio DTP4800, Philips risponde alle prescrizioni dell'art. 2 comma 1 del D.M. 28 Agosto 1995 n.548.

Fatto a Eindhoven

Philips Consumer Lifestyles
Philips, Glaslaan 25616 JB Eindhoven,
The Netherlands

ČESKA REPUBLIKA

Výstraha! Tento přístroj pracuje s laserovým paprskem. Při nesprávné manipulaci s přístrojem (v rozporu s tímto návodem) může dojít k nebezpečnému ozáření. Proto přístroj za chodu neotevírejte ani nesnímejte jeho kryty. Jakoukoli opravu vždy svěřte specializovanému servisu.

Nebezpečí! Při sejmutí krytů a odjištění bezpečnostních spínačů hrozí nebezpečí neviditelného laserového záření!

Chraňte se před přímým zásahem laserového paprsku.

Pokud byste z jakéhokoli důvodu přístroj demontovali, vždy nejdříve vytáhněte síťovou zástrčku.

Přístroj chraňte před jakoukoli vlhkostí i před kapkami vody.

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Trademark notice



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ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.divx.com with this code to complete the registration process and learn more about DivX VOD.

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DVB is a registered trademark of the DVB Digital Video Broadcasting Project (1991 to 1996).



Manufactured under license from Dolby Laboratories. Dolby, Pro Logic and the double-D symbol are trademarks of Dolby Laboratories.



All other registered and unregistered trademarks are the property of their respective owners.

1 Important

Safety and important notice



Warning

- Risk of overheating! Never install the product in a confined space. Always leave a space of at least 4 inches around the product for ventilation. Ensure curtains or other objects never cover the ventilation slots on the product.
- Never place the product, remote control or batteries near naked flames or other heat sources, including direct sunlight.
- Avoid high temperature, moisture, water and dust.
- This unit must not be exposed to dripping or splashing.
- Never place any object or items that can damage this unit (e.g., liquid filled objects, lighted candles).
- Never place this product on other electrical equipment.
- Keep away from this product during lightning storms.
- Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Visible and invisible laser radiation when open. Avoid exposure to beam.

This product complies with the radio interference requirements of the European Community.



About Progressive Scan

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 525 or 625 progressive scan picture problems, it is recommended that the user switch the connection to the 'standard definition' output. If there are questions regarding our TV set compatibility with this model 525p and 625p DVD player, please contact our customer service center.

Disposal of your old product and batteries

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol



is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.



Please act according to your local rules and do not dispose of your old products with your normal household waste.

Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste.



Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

Copyright notice

This item incorporates copy protection technology that



**Be responsible
Respect copyrights**

is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

Open source software

Philips Electronics Hong Kong Ltd. hereby offers to deliver, upon request, a copy of the complete corresponding source code for the copyrighted open source software packages used in this product for which such offer is requested by the respective licenses.

This offer is valid up to three years after product purchase to anyone in receipt of this information.

To obtain source code, please contact open.source@philips.com. If you prefer not to use email or if you do not receive confirmation receipt within a week after mailing to this email address, please write to "Open Source Team, Philips Intellectual Property & Standards, P.O. Box 220, 5600 AE Eindhoven, The Netherlands." If you do not receive timely confirmation of your letter, please email to the email address above.

**CLASS 1
LASER PRODUCT**

2 Your product

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Playable media

This product can play:

- DVD, DVD-Video, DVD+R/+RW, DVD-R/-RW, DVD+R/-R DL (Dual Layer)
- Video CD/SVCD
- Audio CD, CD-R/CD-RW
- MP3 media, WMA media, DivX media, JPEG files
- USB flash drive

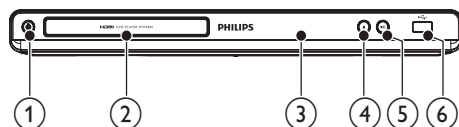
Region codes

You can play discs with the following region codes.

DVD region code	Countries
	Europe

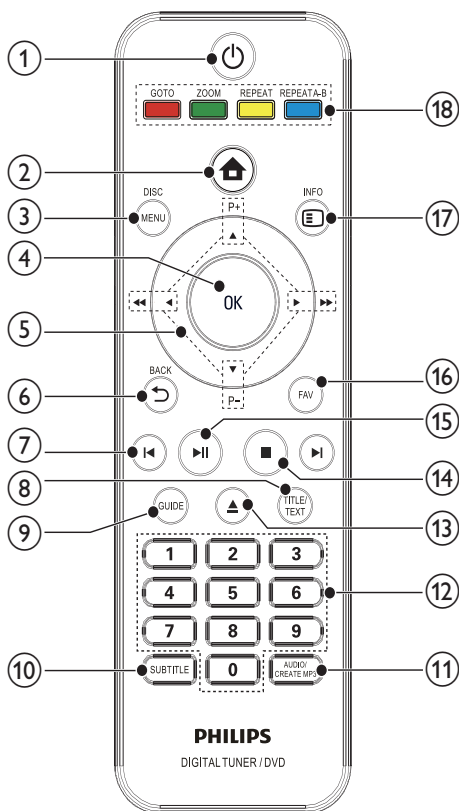
Product overview

Main unit



- ① 
 - Turn on this product or switch to standby mode.
- ② **Disc compartment**
- ③ **Display panel**
- ④ 
 - Open/close the disc compartment.
- ⑤ 
 - Start, pause or resume disc play.
- ⑥ 
 - Connect a USB flash drive.

Remote control



- ① 
 - Turn on this product or switch to standby mode.
- ② 
 - Access the home menu.
- ③ **DISC MENU**
 - Access/exit the disc menu, or display the USB file browser.
- ④ **OK**
 - Confirm an entry or selection.
 - Display the TV/radio channel list.
- ⑤ 
 - Navigate the menus.
 - For , search backward or forward.
- P +/-**
 - For digital TV/radio, select the previous/next channel.
- ⑧ **GUIDE**
- ⑨ **TITLE/TEXT**
- ⑩ **SUBTITLE**
- ⑪ **AUDIO CREATE MP3**
- ⑫ **1 2 3 4 5 6 7 8 9 0**
- ⑬ **1 2 3 4 5 6 7 8 9 0**
- ⑭ **1 2 3 4 5 6 7 8 9 0**
- ⑮ **1 2 3 4 5 6 7 8 9 0**
- ⑯ **1 2 3 4 5 6 7 8 9 0**
- ⑰ **1 2 3 4 5 6 7 8 9 0**
- ⑱ **1 2 3 4 5 6 7 8 9 0**

- ⑥ **↩ BACK**
 - Return to the previous display menu.
- ⑦ **⏮ ⏭**
 - Skip to the previous/next title, chapter or track.
- ⑧ **TITLE/TEXT**
 - For DVD, display the title menu.
 - For digital TV, display teletext information.
- ⑨ **GUIDE**
 - For digital TV/radio, turn on or off the program list.
- ⑩ **SUBTITLE**
 - Select a subtitle language.
- ⑪ **AUDIO/CREATE MP3**
 - Select an audio language or channel on a disc.
 - Access the menu of creating MP3 files.
- ⑫ **Numeric buttons**
 - Select an item to play.
 - Select a TV/radio channel.
 - Enter values.
- ⑬ **▲**
 - Open/close the disc compartment.
- ⑭ **■**
 - Stop play.
- ⑮ **▶||**
 - Start, pause or resume disc play.
- ⑯ **FAV**
 - Turn on or off the favorite channel list for TV / radio.
- ⑰ **INFO**
 - Display play information.
- ⑱ **Color buttons**
 - For teletext mode only, select tasks or options.
- REPEAT A-B**
 - Repeat play for a specific section.
- REPEAT**
 - Select or turn off repeat/shuffle play.
- ZOOM**
 - Zoom the picture in or out.
- GOTO**
 - Skip play to a specific point.

3 Connect

Make the following connections to use this product.

Basic connections:

- TV antenna
- Video
- Audio

Optional connections:

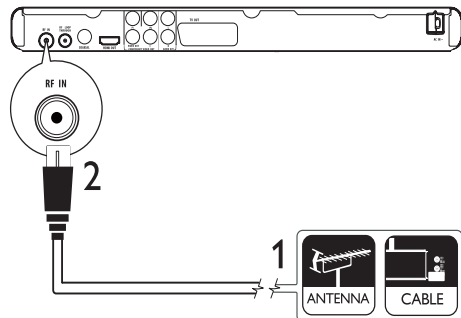
- Route audio to other devices:
 - Digital amplifier/receiver
 - Analog stereo system
- USB flash drive

Note

- Refer to the type plate at the back or bottom of the product for identification and supply ratings.
- Before you make or change any connections, ensure that all the devices are disconnected from the power outlet.

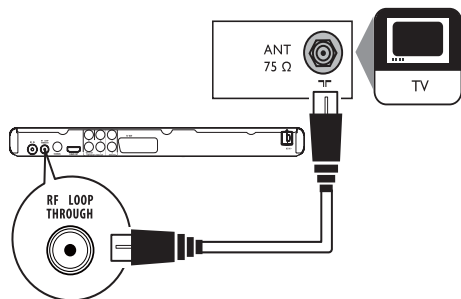
Connect TV antenna

Connect this product to a TV antenna to receive digital TV and radio.



- 1 Unplug the TV antenna from the TV.
- 2 Then connect the antenna to the **RF IN** jack on this product.

To route the digital signal from this product to another device (such as TV):



- 1 Connect an RF antenna cable (not supplied) to:
 - the **RF LOOP THROUGH** jack on this product.
 - the antenna input on the TV.



Tip

- The antenna input jack on the TV might be labeled ANT, ANTENNA IN or RF IN.

Connect audio/video cables

Select the best video connection that TV can support.

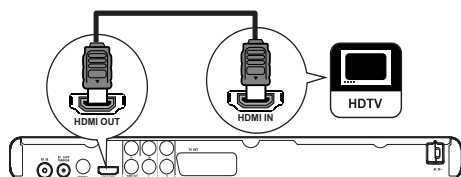
Option 1: Connect to the HDMI jack (for a HDMI, DVI or HDCP-compliant TV).

Option 2: Connect to the component video jacks (for a standard TV or Progressive Scan TV).

Option 3: Connect to the scart jack (for a standard TV)).

Option 4: Connect to the video (CVBS) jack (for a standard TV).

Option 1: Connect to the HDMI jack



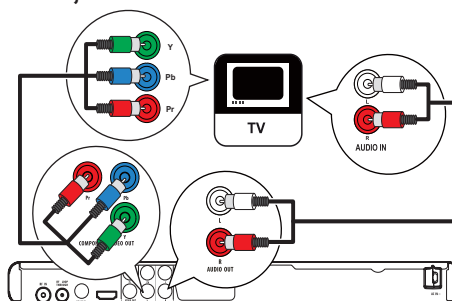
- 1 Connect an HDMI cable (not supplied) to:
 - the **HDMI OUT** jack on this product.
 - the HDMI input jack on the TV.



Note

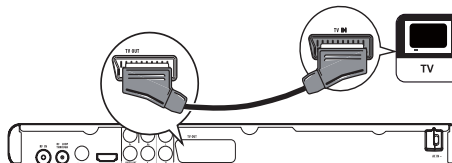
- If the device supports HDMI CEC, you can control compliant devices with a single remote control (see "Get started" > "Use Philips EasyLink").

Option 2: Connect to the component video jacks



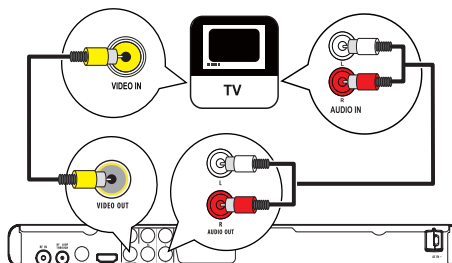
- 1 Connect the component video cables to:
 - the **Y Pb Pr** jacks on this product.
 - the **COMPONENT VIDEO** input jacks on the TV.
- 2 Connect the audio cables to:
 - the **AUDIO OUT L/R** jacks on this product.
 - the audio input jacks on the TV.

Option 3: Connect to the scart jack



- 1 Connect a scart cable (not supplied) to:
 - the **TV OUT** jack on this product.
 - the scart input jack on the TV.

Option 4: Connect to the video (CVBS) jack



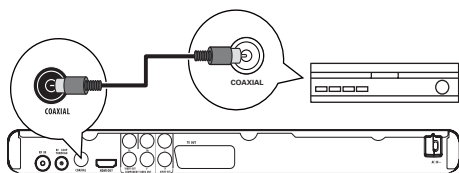
- 1 Connect a composite video cable to:
 - the **VIDEO OUT** jack on this product.
 - the video input jack on the TV.

- 2 Connect the audio cables to:
 - the **AUDIO OUT L/R** jacks on this product.
 - the audio input jacks on the TV.

Optional audio connections

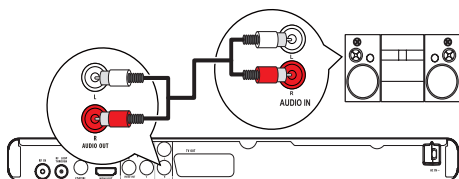
Connect the audio from this product to other devices to enhance sound.

Connect to digital amplifier/receiver



- 1 Connect a coaxial cable (not supplied) to:
 - the **COAXIAL** jack on this product.
 - the **COAXIAL/DIGITAL** input jack on the device.

Connect an analogue stereo system



- 1 Connect the audio cables to:
 - the **AUDIO L/R** jacks on this product.
 - the audio input jacks on the device.

Connect USB flash drive

- 1 Connect a USB flash drive to the  jack on this product.

Note

- This product can only play/view MP3, DivX or JPEG files that are stored on a USB flash drive.
- Press  to access the content and play the files.

Connect power

! Caution

- Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back of the unit.
- Before connecting the AC power cord, ensure you have completed all other connections.

≡ Note

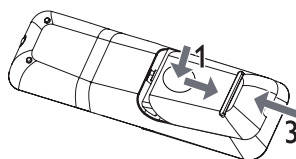
- The type plate is located on the back of the product.

- 1 Connect the AC power cable to the wall socket.
 ↳ The product is ready to be set up for use.

4 Get started

Prepare the remote control

- 1 Press and push the battery compartment to slide it open (see "1" in the illustration).
- 2 Insert two AAA batteries with correct polarity (+/-) as indicated.
- 3 Push and slide back the battery compartment (see "3" in the illustration).



≡ Note

- If you are not going to use the remote control for a long time, remove the batteries.
- Do not mix batteries (old and new or carbon and alkaline, etc.).
- Batteries contain chemical substances, so they should be disposed of properly.

Navigate the menu

- 1 When the on-screen menu is displayed, press the buttons on the remote control to navigate.

Button	Action
▲▼	Move up or down
◀▶	Move left or right
OK	Confirm a selection
1 2 3 4 5 6 7 8 9 0	Enter numbers

Find the TV input channel

- 1 Press **⏻** to turn on this product.
- 2 Turn on the TV and switch to the video input channel (refer to the TV user manual on how to select the A/V input channel).

First time setup

When you turn on this product for the first time, follow the instructions on the TV screen to install TV and radio channels.

- 1 Press **⏻** to turn on the product.
 - ↳ On the TV screen, the first-time installation message is displayed.
- 2 Select **[Yes]** and press **OK** to proceed.
- 3 Select **[Country]** and press **OK**, then select the country of your residence and press **OK**.
- 4 Select **[Language]** and press **OK**, then select a language and press **OK**.
- 5 Select **[Next]** and press **OK** to start to search.
 - ↳ Automatic channel search screen is displayed, and the product begins to search TV and radio channels.
 - ↳ When the search completes, the available TV and radio channels are stored.

Use the Home menu

- 1 Press **⬆**.
 - ↳ The home menu is displayed.
 - **[DVD]** - Select disc mode.
 - **[Live TV]** - Select TV mode.
 - **[DVB-T Radio]** - Select radio mode.
 - **[USB]** - Select USB mode.
 - **[System Setting]** - Access the setup menu.

Select menu display language

- 1 Press **⬆**.
 - ↳ The home menu is displayed.
- 2 Select **[System Setting] > [General Setting] > [Language Setup] > [OSD Language]**, then press **OK**.
- 3 Press **▲▼** to select a language, then press **OK**.

Turn on progressive scan



Note

- To use the progressive scan feature, you must connect a progressive scan TV with the component video jacks (see "Connect" > "Connect audio/video cables" > "Option 2: Connect to the component video jacks" for details).

- 1 Turn on the TV to the correct video input channel for this product.
- 2 Press **⬆**.
- 3 Select **[System Setting] > [General Setting] > [Video Setup] > [Video Output] > [Progressive]**, then press **OK**.
 - ↳ The progressive setup is complete.



Note

- If a TV picture appears improperly, deselect **[Progressive]** to turn off the progressive scan mode.

- 4 Press **⬆** to exit the menu.
- 5 You can now turn on the progressive scan mode on the TV (see the TV user manual).



Note

- During play, when the progressive scan mode is on for both this product and the TV, distorted picture may display. In this case, turn off the progressive scan feature on both this product and the TV.

Use Philips EasyLink

This product supports Philips EasyLink which uses the HDMI CEC (Consumer Electronics Control) protocol. You can use one single remote control to control EasyLink-compliant devices that are connected through HDMI connectors.

Note

- To enable the EasyLink feature, you must turn on the HDMI CEC operations on the TV and on other devices connected to TV. Refer to the TVs/devices manual for details.

One-touch play

- 1 Press **⏻** to turn on this product.
 - ↳ The TV (if supports one-touch play) automatically turns on and switches to the correct video-in channel.

One-touch standby

- 1 Press and hold **⏻** on the remote control for more than 3 seconds.
 - ↳ All the connected devices (if the device supports one-touch standby) automatically switch to standby.

Note

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.

5 Watch TV

Note

- Before you start, ensure that you have connected properly the TV antenna to this product, and completed the first-time installation.

- 1 Press **⏻** to turn on this product.
- 2 Turn on the TV, and select the video input channel on the TV.
- 3 Press **⬆**.
 - ↳ The home menu is displayed.
- 4 Select **[Live TV]**, then press **OK**.
 - ↳ The TV mode is turned on.
- 5 Press **P + -** or the **Numeric buttons** to select a channel.

Use on-screen guide

With this feature, you can view the program schedule and program details.

- 1 In the TV mode, press **GUIDE**.
 - ↳ The program list is displayed.
- 2 To view the details of a program, select the program and press **▶**.

Use the program edit table

With the program edit table, you can set favorite channels, or adjust channel sequence or delete channels.

- 1 In the TV mode, press **⬆**.
 - ↳ The home menu is displayed.
- 2 Select **[System Setting] > [TV/Radio Setting] > [Channel] > [TV Channel]**, then press **OK**.
 - ↳ The program table is displayed.

Set favorite channels

Create a shortlist of favorite programs to access quickly.

- 1 In the TV mode, press **FAV**.
 - ↳ A program table is displayed.
- 2 In the **[FAV]** column select a channel, then press **OK**.
 - ↳ A heart-shaped symbol is displayed in the **[FAV]** column to indicate the channel is marked as a favorite.

- 3 Repeat the step 2 to mark more programs as a favorite.
 - To delete a favorite program, select the related heart-shaped symbol and press **OK**.
- 4 Press **⏏** to save and exit the menu.

View favorite channels

- 1 Make sure that you have set favorite channels.
- 2 In the TV mode, press **FAV** to enable the favorite channel list.
 - ↳ [Fav On] (favorite on) is displayed.
- 3 Press **P + -** to select a channel among the favorite channels.

To disable the favorite channels list

- 1 In the TV mode, press **FAV** again.
 - ↳ [Fav Off] (favorite off) is displayed.

Adjust channel sequence

- 1 Go to the program edit table.
- 2 In the **[Move]** column select a channel, then press **OK**.
 - ↳ An up/down symbol is displayed.
- 3 Press **▲▼** to move the channel up or down.
- 4 Repeat the steps 2-3 to move more channels.
- 5 Press **⏏** to save and exit the menu.

Delete a channel

- 1 Go to the program edit table.
- 2 In the **[Del]** column select a channel, then press **OK**.
 - ↳ An "X" is displayed to indicate that the channel is selected for deletion.
- 3 Repeat the step 2 to select more channels for deletion.
- 4 Press **⏏** to confirm deletion.
 - ↳ The channel is deleted.

6 Listen to radio



Note

- Before you start, ensure that you have connected properly the TV antenna to this product, and completed the first-time installation.

- 1 Press **⏏** to turn on this product.
- 2 Turn on the TV, and select the video input channel on the TV.
- 3 Press **⏏**.
 - ↳ The home menu is displayed.
- 4 Select **[DVB-T Radio]**, then press **OK**.
 - ↳ The radio mode is turned on.
- 5 Press **P + -** or the **Numeric buttons** to select a channel.

Use on-screen guide

With this feature, you can view the program schedule and program details.

- 1 Switch this product to the radio mode.
- 2 Refer to the "Use on-screen guide" section in the "Watch TV" chapter.

Use the program edit table

With the program edit table, you can set favorite channels, or adjust channel sequence or delete channels.

- 1 Switch this product to the radio mode.
- 2 Refer to the "Use the program edit table" section in the "Watch TV" chapter.

7 Play

 Note

- DVDs and DVD players are designed with regional restrictions. Ensure that the DVD video you play is for the same region zone as this product (indicated on its bottom).
- This product supports the file formats: MP3/JPEG/DivX.
- To play DVD-R, DVD+R or DVD-RW, the disc must be finalized.

Play a disc

 Caution

- Do not place any objects other than discs into the disc compartment.

- 1 Press **▲** to open the disc compartment.
- 2 Insert a disc with its label facing up.
- 3 Press **▲** to close the disc compartment and start disc play.
 - To view disc play, turn on the TV to the correct viewing channel for this product.
 - To stop disc play, press **■**.

Play from USB device

Play/view MP3, DivX or JPEG files stored on the USB flash drive.

 Note

- If the device does not fit into the USB jack, connect it through a USB extension cable.
- If you connect a multiple USB card/device reader, only one card or device can be accessed.

- 1 Connect a USB flash drive to the  jack.
- 2 Press **▲**.
 - ↳ The home menu is displayed.
- 3 Select **[USB]**, then press **OK**.
 - ↳ The contents menu is displayed.
- 4 Select a file, then press **▶||** to play.
 - ↳ To stop play, press **■**.

Play video

 Note

- Some operations may not work with some discs. See the information accompanying the disc for details.

Control video play

- 1 Play a title.
- 2 Use the remote control to control the play.

Button	Action
▶ 	Start, pause or resume disc play.
■	Stop disc play.
◀▶	Skip to a previous/next title or chapter.
◀◀, ▶▶	Search fast-backward or fast-forward. Press repeatedly to change the search speed.
AUDIO/CREATE MP3	Select an audio language or channel available on a disc.
SUBTITLE	Select a subtitle language available on a disc.
REPEAT	Select or turn off repeat/random mode. Repeat options may vary from disc type.
REPEAT A-B	Repeat a specific section within a track/disc.
ZOOM (Screen fit)	Fit the picture format to the TV screen. Press repeatedly until the image is scaled to fit to the TV screen.
ZOOM	Toggle between screen aspect ratio and different zoom factor. To pan through the zoomed image, press the Navigation buttons .
INFO	Display the disc play information.

Access DVD menu

- 1 Press **DISC MENU** to access the disc root menu.
- 2 Select a play option, then press **OK**.
 - In some menus, press the **Numeric buttons** to input your selection.

Access VCD menu (PBC)

The PBC (playback control) feature is available for VCD/SVCD. The feature can display the contents menu for you to select an option.

- 1 Insert a VCD/SVCD.
- 2 During disc play, press **DISC MENU** to turn on or off the PBC feature.
 - ↳ If the PBC turns on, the contents menu is displayed for you to select an option.
 - ↳ If the PBC turns off, it skips the menu display and starts to play from the first track.

Repeat play for a specific section

- 1 During play, press **REPEAT A-B** at the start point.
- 2 Press **REPEAT A-B** again to set the end point.
 - ↳ Repeat play starts.
- 3 To cancel repeat play, press **REPEAT A-B** again.



Note

- The marked section for repeat play is only possible within a track/title.

Skip play to a specific point

- 1 During play, press repeatedly **GOTO**.
 - ↳ A search bar is displayed.
- 2 For the title/chapter bar, press **◀▶** to select the title/chapter field, and press **▲▼** to select a title/chapter number.
For the time bar, press the **Numeric buttons** to enter the time to skip to, then press **OK**.

Zoom in/out

- 1 During play, press **ZOOM**, then press repeatedly **OK** to zoom in or out the picture.
- 2 To pan through the enlarged picture, press **▲▼◀▶**.
 - To cancel zoom mode, then press **ZOOM** until [x 1] is displayed.

Play music

Control a track

- 1 Play a track.
- 2 Use the remote control to control the play.

Button	Action
▶	Start, pause or resume disc play.
■	Stop disc play.
◀▶	Skip to a previous/next track.
1 2 3 4 5 6 7 8 9 0	Select an item to play.
◀◀▶▶	Searches fast-backward or fast-forward. Press repeatedly to change the search speed.
REPEAT	Select or turn off repeat/random mode. Repeat options may vary from disc type.
REPEAT A-B	For audio CDs only, repeat a specific section within a track.
GOTO	For audio CDs only, skip play to a specific point. Press the numeric buttons on the remote control to enter a track number or time.

Play MP3 music

You can play MP3 audio files (files with .mp3 extension).

- 1 Insert a disc or a USB flash drive that contains MP3 music.
- 2 Press **▲**, and select **[USB]** or **[DVD]**, then press **OK**.
 - ↳ The contents menu is displayed.
- 3 Select a music folder, then press **OK**.
- 4 Select a file to play, then press **OK**.
 - To stop play, press **■**.

Play photo

Play photo as slideshow

You can play JPEG photos (files with .jpeg or .jpg extensions).

- 1 Insert a disc or a USB flash drive that contains the JPEG photos.
- 2 Press **▲**, and select **[DVD]** or **[USB]**, then press **OK**.
 - ↳ The contents menu is displayed.
- 3 Select a photo, then press **▶||** to start slideshow, or press **OK** to display a photo only.
 - During slideshow, press **■** to view the photos in thumbnail view.
 - To exit slideshow, press **↩ BACK**.

Control photo play

- 1 Play a photo slideshow.
- 2 Use the remote control to control the play.

Button	Action
	Rotate a photo anti-clockwise/clockwise.
	Rotate a photo horizontally/vertically.
	Stop a play.

To zoom in/out a photo:

- 1 During a slideshow, press **ZOOM**, and then press repeatedly **OK** to zoom in or out the photo.
- 2 Press **▲▼◀▶** to pan through the enlarged photo.

Other features

Create MP3 files

With this product, you can convert audio CDs into MP3 audio files. The created MP3 audio files are saved in the USB flash drive.

- 1 Insert an audio CD.
- 2 Connect a USB flash drive to the  jack on this product.
- 3 During disc play, press **AUDIO/CREATE MP3**.
↳ The MP3 creation menu is displayed.
- 4 Select **[Yes]** in the menu, and then press **OK**.
- 5 Select a conversion option in the **[OPTIONS]** panel, and then press **OK** repeatedly to select an item.

Option	Description
[Speed]	Select a copying speed.
[Bitrate]	Select a quality level. Higher bitrate for better sound quality and bigger file size.
[Device]	The created files can only be saved in a USB flash drive.

- 6 Select an audio track, and then press **OK**.
 - To select another track, repeat step 7.
 - To select all tracks, select **[All]** in the menu, and press **OK**.
- 7 Select **[Next]** in the menu, and then press **OK** to start to convert.
↳ Once complete, a new folder is created automatically in the USB flash drive to store all the new MP3 files.

- To exit the menu, select **[Exit]**, and then press **OK**.



Note

- When you convert, never press any button.
- DTS CDs and copy-protected CDs cannot be converted.
- Writer-protected or password-protected USB flash drives cannot be used to store MP3 files.

View files by type

With this feature, you can arrange files in different types on a disc or a USB flash drive for view.

- 1 Insert a disc or a USB flash drive that contains different types of files.
↳ The contents menu is displayed.
- 2 If no file is displayed, open a folder.
- 3 Press **◀▶** to select a logo at the bottom of the contents menu.
 - : display JPEG files only.
 - : display music files only.
 - : display video files only.
 - **ALL**: display all files.
- 4 Press **OK**.
↳ Only files of the type you have selected are displayed.

8 Adjust system setting

General settings

- 1 Press .
↳ The home menu is displayed.
- 2 Select **[System Setting]**, then press **OK**.
- 3 Select **[General Setting]**, then press **OK**.
- 4 Select an option, then press **▶**.
- 5 Select a setting, then press **OK**.
 - To return to the previous menu, press **↶ BACK**.
 - To exit the menu, press .

[Language Setup]

- **[OSD Language]** - Select an on-screen menu language.
- **[Audio Language]** - Select an audio language for disc play.
- **[Subtitle Language]** - Select a subtitle language for disc play.

[Video Setup]

- **[TV System]** - Change this setting if the video does not appear correctly. By default, this setting matches the most common setting for TVs in your country.
 - **[NTSC]** - For NTSC-system TV.
 - **[PAL]** - For PAL-system TV.
- **[TV Display]** - Select a display format with which you want the picture to appear on the TV.
 - **[4:3 Pan Scan]** - For 4:3 screen TV: full-height display with the trimmed sides.
 - **[4:3 Letter Box]** - For 4:3 screen TV: wide screen display with black bars on the top and bottom.
 - **[16:9 Wide Screen]** - For wide-screen TV: display picture at ratio 16:9.
 - **[Auto]** - Detect and select the best display format supported by your TV.
- **[Component]** - Select the video output that matches the video connection between this product and the TV.
 - **[RGB]** - Scart (TV OUT) connection.
 - **[Interlaced]** - Component video (Y Pb Pr) connection.
 - **[Progressive]** - If a progressive scan TV is connected to this product, select the progressive scan mode.



Note

- For more detailed description, see "Get started" > "Turn on progressive scan".

- **[Picture Setting]** - Select a predefined set of picture color settings or customize the personal setting.
 - **[Standard]** - Original color setting.
 - **[Bright]** - Vibrant color setting.
 - **[Soft]** - Warm color setting.

[Audio Setup]

- **[Digital Output]** - This setting is only required if you have connected the digital output jack (COAXIAL) of this product to an amplifier/ receiver for audio output.
 - **[PCM]** - Select this setting if the connected device does not support multi-channel format. All audio signals are downmixed to two-channel audio.
 - **[RAW]** - Select this setting if the connected device supports multi-channel format.

- **[Off]** - Disable the digital audio output. Select this setting if the analog audio jacks of this product is connected to a TV or stereo system.
- **[Analogue Output]** - Select an analogue setting based on the audio device that is connected through the analogue audio jack (AUDIO L/R).
 - **[Stereo]** - For the stereo output.
 - **[LT/RT]** - For the surround sound output through two speakers.
- **[HDMI Audio]** - Select the HDMI audio setting when you connect this product and the TV with an HDMI cable.
 - **[On]** - Allow audio output through the TV and the speaker system. If the audio format on the disc is not supported, it will be downmixed to two-channel sound (linear-PCM).
 - **[Off]** - Disable the audio output from HDMI devices connected to this player.

[HDMI Setup]

- **[Resolution]** - Select a video resolution that is compatible with the TV display capability.
 - **[Auto]** - Detect and select the best supported video resolution automatically.
 - **[480i], [480p], [576i], [576p], [720p], [1080i], [1080p]** - Select a video resolution that is best supported by the TV.
- **[EasyLink]** - Turn on/off all EasyLink features.
- **[One Touch Play]** - Turn on or off the feature of one-touch play.

When EasyLink is enabled, press .

- ↳ This product turns on.
- ↳ The TV (if the TV supports one-touch play) automatically turns on and switches to the video-in channel.

- **[One Touch Standby]** - Turn on or off the feature of one-touch standby.

When EasyLink is enabled, press and hold for at least three seconds.

- ↳ All connected HDMI CEC compliant devices switch to standby mode.

Note

- You must turn on the HDMI CEC operations on the TV/ devices before you can enjoy the EasyLink controls. See the TV/devices manual for details.
- Philips does not guarantee 100% interoperability with all HDMI CEC compliant devices.

[Preference Setup]

- **[Change Password]** - Set or change the password for locked programs and discs.
 1. In the **[Old Password]** field, press the **Numeric buttons** to enter the last set password or the default password "0000".
 2. In the **[New Password]** field, enter the new password.
 3. In the **[Confirm]** field, enter the new password again.
 4. Select **[OK]**, then press **OK**.
- **[Auto Standby]** - Turn on/off the auto standby mode.
 - **[On]** - Switch to standby after 15 minutes of inactivity (for example, in pause or stop mode) or 3 hours (in the DVB mode).
 - **[Off]** - Disable the auto standby mode.
- **[Factory setting]** - Reset this product to the factory settings.

1. In the **[Enter Password]** field, enter the last set password or the default password "0000".
2. Select **[OK]**, then press **OK**.

- **[Version Information]** - Display the software version of this product.

Note

- This information is required when you want to find out if a newest software version is available at the Philips website that you may download and install on this product.

DVD/USB settings

Note

- Before you can access **[DVD/USB Setting]**, you must switch to **[DVD]** or **[USB]** mode.

- 1 Press **⬆**.
↳ The home menu is displayed.

- 2 Select **[System Setting]**, then press **OK**.
- 3 Select **[DVD/USB Setting]**, then press **OK**.
- 4 Select an option, then press **▶**.
- 5 Select a setting, then press **OK**.
 - To return to the previous menu, press **↶ BACK**.
 - To exit the menu, press **⬆**.

[Language Setup]

- **[Disc Menu]** - Select a language for a disc menu.
- **[DivX Subtitle]** - Select a character set that supports the DivX subtitle.
 - **[Standard]** - English, Irish, Danish, Estonian, Finnish, French, German, Italian, Portuguese, Luxembourgish, Norwegian (Bokmål and Nynorsk), Spanish, Swedish, Turkish
 - **[Cyrillic]** - Belarusian, Bulgarian, Ukrainian, Macedonian, Russian, Serbian
 - **[Central Europe]** - Polish, Czech, Slovak, Albanian, Hungarian, Slovene, Croatian, Serbian (Latin script), Romanian
 - **[Greek]** - Greek

Note

- Ensure that the subtitle file has the exact same file name as the movie file. If for example the file name of the movie is 'Movie.avi', then you need to name the text file 'Movie.sub' or 'Movie.srt'.

[Custom Setup]

- **[Parental Control]** - Restrict access to discs that are unsuitable for children. This option works only on discs recorded with ratings.

1. Select a rating and press **OK**.
2. Press the **Numeric buttons** to enter "0000" or the last set password.

Note

- Rated discs above the level you set require a password to be played.
- The ratings are country-dependent. To allow all discs to play, select the "8" level for discs.
- Some discs have ratings printed on them but are not recorded with ratings. This function has no effect on such discs.

- **[DivX® VOD]** - Display the DivX® registration code.



Tip

- Use this product's DivX registration code when you rent or purchase video from www.divx.com/vod.
- The DivX videos rented or purchased through the DivX® VOD (Video On Demand) service can be played only on the device to which it is registered.

- **[Angle Mark]** - Turn on or off angle mark display.
- **[PBC]** - Turn on or off the content menu of VCDs/SVCDs with PBC (playback control) feature.
 - **[On]** - Display the index menu when you load a disc for play.
 - **[Off]** - Skip the menu and start play from the first track.

TV/Radio settings



Note

- Before you can access **[TV/Radio Setting]**, you must switch to **[Live TV]** or **[DVB-T Radio]** mode.

- 1 Press **⬆**.
↳ The home menu is displayed.
- 2 Select **[System Setting]**, then press **OK**.
- 3 Select **[TV/Radio Setting]**, then press **OK**.
- 4 Select an option, then press **▶**.
- 5 Select a setting, then press **OK**.
 - To return to the previous menu, press **⬅ BACK**.
 - To exit the menu, press **⬆**.

[Channel]

- **[TV Channel]** - Set favorite TV channels or delete TV channels (see "Watch TV" > "Use the program edit table").
- **[Radio Channel]** - Set favorite radio channels or delete radio channels (see "Listen to radio" > "Use the program edit table").
- **[Sort]** - Arrange the TV/radio channels in some sequence.
 - **[Auto]** - Sort the channels according to the automatic search.
 - **[By Name]** - Sort the channels by the channel names in the alphabetical order.
 - **[By Service ID]** - Sort the channels according to the service type of the channels.

[Channel Search]

- **[Automatic Search]** - Search and store automatically all the available TV/radio channels. This option overwrites all preset channels.

1. Select **[Automatic Search]**, then press **OK**.
2. Select **[OK]** and press **OK** to start auto search.

- **[Manual Search]** - Search and store manually the available channels. This option adds new channels without changing the current channels list.

1. Select **[Manual Search]**, then press **OK**.
2. Select a channel frequency in the channel list, then press **OK** to start search.

- **[Auto Channel Update]** - Update automatically the channels.
 - **[On (with notification)]** - Enable the automatic channel update with notification.
 - **[On (without notification)]** - Enable the automatic channel update without notification.
 - **[Off]** - Disable the automatic channel update.

[Custom Setup]

- **[Channel Lock]** - Enable or disable the selected channels for restricted viewing.
 - **[Yes]** - Enable the channel lock.
 - **[No]** - Disable the channel lock. To activate this setting, enter "0000" or the last set password.
- **[Parental Setting]** - Lock channels for restricted viewing.

1. Select **[Parental Setting]**, then press **OK**.
2. Press the **Numeric buttons** to enter "0000" or the last set password.
3. Select a program name, then press **OK** to lock.

[Preference Setup]

- **[Country]** - Select the country of your residence.
- **[Time Offset Adjustment]** - Select to adjust automatically or manually the GMT time offset.
- **[Time Zone]** - Select a GMT time offset if you have set **[Time Offset Adjustment]** to manual.
- **[Antenna Power]** - Enable the antenna power if an external antenna is connected.

9 Additional information

Update software

For software updates, check the current software version of this product to compare with the latest software (if available) at the Philips website.



Caution

- Power supply must not be interrupted during software upgrade.

- Press .
- Select **[System Setting]** > **[General Setting]** > **[Preference Setup]** > **[Version Information]**, then press **OK**.
 - The current software version of this product is displayed.
- Write down the software version number and the model name, then press  to exit the menu.
- Visit www.philips.com/support to check for the latest software version. Use this version number for this product as a reference.
- Refer to the upgrade instructions on the website for more information.



Note

- Disconnect the power cord for a few seconds and connect again to turn on the product.

Care



Caution

- Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.

Clean discs

Wipe the disc with a micro fibre cleaning cloth from the centre to the edge in a straight line movement.

10 Specifications



Note

- Specification and design are subject to change without notice

USB

- Compatibility: USB (2.0)
- Class support: UMS (USB Mass Storage Class)

TV standard

- Number of lines:
 - 625 (PAL/50Hz)
 - 525 (NTSC/60Hz)
- Playback: Multi-standard (PAL/NTSC)

Video performance

- Video DAC: 12 bits, 148 MHz
- Composite video output: 1 Vpp ~ 75 ohm
- Component video output: 0.7 Vpp ~ 75 ohm
- HDMI output: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p
- Scart: Euroconnector

Video format

- Digital compression:
 - MPEG 2: DVD/SVCD
 - MPEG 1: VCD
- Horizontal resolution:
 - DVD: 720 pixels (50 Hz); 720 pixels (60 Hz)
 - VCD: 352 pixels (50 Hz); 352 pixels (60 Hz)
- Vertical resolution:
 - DVD: 576 pixels (50 Hz); 480 pixels (60 Hz)
 - VCD: 288 lines (50 Hz); 240 lines (60 Hz)

Audio

- Analog stereo output
- MPEG MP3: MPEG Audio L3
- Scart output
- Digital output
 - Coaxial
- HDMI output

Audio performance

- DA converter: 24 bits, 192 kHz
- Frequency response: 20 Hz - 20 kHz
- Signal-Noise Ratio : > 90 dB
- Dynamic range @1 kHz (DVB-T mode): > 75 dB
- Dynamic range @1 kHz (DVD mode): > 90 dB
- Crosstalk (DVB-T mode): > 90 dB
- Crosstalk (DVD mode) : > 90 dB
- Distortion/noise (DVB-T mode): > 65 dB
- Distortion/noise (DVD mode): > 90 dB

Tuner/Reception/Transmission

- TV system: PAL
- Aerial Input: 75 Ohm coaxial (IEC75)

Connections

- Antenna input
- Passive RF loopthrough output
- HDMI output
- Component output
- SCART output
- Video output: Cinch (yellow)
- Audio output: Cinch (white/red)
- Digital output:
 - 1 SPDIF coaxial: IEC60958 for CDDA/LPCM
 - IEC61937 for MPEG 1/2, Dolby Digital
- USB input (front panel)

Convenience

- Radio
- Electronic program guide: 7 days
- Teletext

Main Unit

- Dimensions (w x h x d): 360 x 39 x 209 (mm)
- Net Weight: 2.2 kg

Power

- Power supply rating: 230 V; 50 Hz
- Power consumption: 15 W
- Power consumption in standby mode: < 1 W

Accessories supplied

- Remote control and batteries
- AV cables
- User Manual
- Quick Start Guide

Laser specification

- Type: Semiconductor laser InGaAlP (DVD), AlGaAs (CD)
- Wave length: 655 nm (DVD), 790 nm (CD)
- Output Power: 10 mW (DVD), 5 mW (VCD/CD)

11 Troubleshooting

**Warning**

- Risk of electric shock. Never remove the casing of the product.

To keep the warranty valid, never try to repair the product yourself.

If you have problems using this product, check the following points before you request service. If you still have a problem, register your product and get support at www.philips.com/welcome.

If you contact Philips, you will be asked for the model and serial number of your product. The model number and serial number are on the back of your product. Write the numbers here:

Model No. _____

Serial No. _____

Main unit**The buttons on this product do not work.**

- Disconnect this product from the power outlet for a few minutes, then connect again.

No reaction to the remote control.

- Connect this product to the power outlet.
- Point the remote control at the IR sensor located on the front panel of this product.
- Insert the batteries correctly.
- Insert new batteries in the remote control.

Picture**No picture or pictures appear in an improperly way.**

- See the TV's user manual on how to select the correct input on the TV. Change the TV channel until you see the Philips screen.
- If the progressive scan mode is turned on and pictures appear in an improperly way, deselect the progressive scan to turn off the progressive scan mode (see "Adjust system setting" > "General settings" > "Video setup").

No picture on HDMI connection.

- If this product is connected to an unauthorized display device with an HDMI cable, the audio/video signal may not be output.
- Check if the HDMI cable is faulty. Replace a new HDMI cable.
- If this happens when you change the HDMI video resolution, you have to switch to its default mode: 1) Press **▲** to open the disc compartment. 2) Press the numeric button "1".

Sound

No audio output from the TV.

- Ensure that the audio cables are connected to the audio input of the TV.
- Assign the audio input of the TV to the corresponding video input. See the TV user manual for details.

No audio output from the loudspeakers of the audio device (stereo system/amplifier/receiver).

- Ensure that the audio cables are connected to the audio input of the audio device.
- Turn on the audio device to its correct audio input source.

No sound during DivX video playback

- The audio codec may not be supported by this product.

Play

The disc cannot be played.

- The disc is badly scratched, deformed, or dirty. Replace or clean the disc.
- Use the correct disc format or file format.

DivX video files cannot be played.

- Ensure that the DivX video file is complete.
- Ensure that the file name extension is correct.
- Due to Digital Rights issue with the Video content, the content cannot be playback via analog output. To enjoy video, please use HDMI connection for viewing.

The aspect ratio of the screen is not aligned with the TV display setting.

- The aspect ratio is fixed on the disc.

DivX subtitles are not displayed correctly.

- Ensure that the subtitle file name is the same as the movie file name. The file name extension can be .sub, txt, srt, ssa or smi.
- Select the correct character set.
 - Press .
 - Select [System Setting] > [DVD/USB Setting] > [Language Setup] > [DivX Subtitle] in the menu.
 - Select the character set that supports the subtitle.

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A. In the simplest terms, when you distribute anything containing eCos code, you must make the source code to eCos available under the terms of the GPL.

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A. Then you must make those changes available as well.

Q. Do I have to distribute the source code to my application? Isn't the GPL "viral"?

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Q. I would rather stick with the RHEPL code, but I updated my anonymous CVS checkout.

A. You can check out the final version of anonymous CVS before the license change using the CVS tag *last-rhepl*. See [the anonymous CVS access page](#) for details.

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Version 2, June 1991

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“Source code” for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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